

Tarik Džaka

(+387) 60-329-6095 | dzakatarik@gmail.com | linkedin.com/in/tarik-dzaka/ | github.com/dzakat

EDUCATION

University of Sarajevo

Sarajevo, Bosnia and Herzegovina

Bachelor of Computer Science, GPA: 9.76

Sep 2019 – Sep 2022

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Databases, Theory of Computation, Computer Networks, Software Development, Machine Learning, Computational Geometry

EXPERIENCE

Full-Stack Engineer (Part-time)

Remote

Carbon Emissions Product (Stealth)

July 2025 – Present

- Developing end-to-end features for an early-stage platform that helps companies assess the carbon footprint of third-party products.
- Working across the full stack with Next.js, NestJS, TypeScript, GraphQL, and PostgreSQL.
- Implementing features independently in an agile environment with Jira workflows and sprint ceremonies.
- Serving as On-Call Developer on rotation: monitoring production issues via Sentry for error inspection, analyzing PostHog session replays, and debugging issues by diving into code to identify and resolve bugs.

Software Engineer

Remote

FileWave

Nov 2025 – Jan 2026

- Developed full-stack features for a remote device and app management platform (macOS, iOS, Android, Windows), delivering capabilities end-to-end from Qt admin UI and C++ backend services to Django APIs and PostgreSQL.
- Owned features from design through implementation: built UI flows, REST APIs, and data models; integrated with Apple ecosystem (VPP, DEP/ADE) and kept the product aligned with Apple platform updates.

Backend Software Engineer

Remote

Pickleball.com

June 2025 – Oct 2025

- Designed and implemented a scalable rating engine for professional and amateur pickleball players, leveraging Go and MySQL.
- Built and maintained backend APIs in Go to support tournament systems, player rankings, and match history.
- Deployed and monitored the rating engine on AWS EC2 instances, analyzed Sentry logs for issues, and tracked both performance and application-level metrics using Grafana.

Software Engineer

Remote

Orca

April 2022 – May 2025

- Owned the end-to-end development of Orca's Sail Routing feature as one of only two routing engineers—researching, designing, and implementing the system from the ground up.
- Developed a dynamic C++ routing engine that integrates real-time weather data and vessel characteristics to generate optimal and safe marine routes.
- Continuously improved route quality through detailed logging, user feedback loops, and iterative algorithmic enhancements.
- Managed geospatial data infrastructure using PostgreSQL/PostGIS for scalable storage, querying, and processing of high-volume marine data.
- Orca serves over 250k active boaters across Europe and North America, with over 1 million routes planned in 2024 alone.

Software Developer

Sarajevo

Solution404

April 2021 – March 2022

- Developed core platform features for LiveLogue using React and Node.js.
- Collaborated closely with a team of experienced developers, learning best practices in software development and code quality.

PROJECTS

Trippy | *React, Django, SQLite, Tailwind*

- Developed a full-stack web application for hosting and booking trips using Django, React, and SQLite.

SKILLS

Programming Languages: C++, Python, TypeScript, JavaScript, Go

Libraries and Technologies: PostgreSQL/PostGIS, Node.js, React, Next.js, NestJS, GraphQL, Qt, Django, Git, Docker

AWARDS

- Golden Badge Award, University of Sarajevo, 2022
- International Olympiad in Informatics, Participation, August 2019
- Balkan Mathematical Olympiad, Honorable Mention, May 2019

INVOLVEMENT

Lecturer

April 2020 – Present

Faculty of Science Sarajevo

- Delivering lectures at programming camps and courses organized by UMKS, focusing on competition preparation and foundational programming skills.

Associate, organizing committee

May 2021 – Present

BHOI

- Actively involved in the organization and execution of regional and state programming competitions for primary and high school students
- Serving as a member of committees for task selection and preparation.